

Title (en)

BLOOD-TIGHT IMPLANTABLE TEXTILE MATERIAL AND METHOD OF MAKING

Title (de)

BLUTDICHTES IMPLANTIERBARES TEXTILMATERIAL UND HERSTELLUNGSVERFAHREN

Title (fr)

MATERIAU TEXTILE IMPLANTABLE ETANCHE AU SANG, ET PROCEDE DE FABRICATION

Publication

EP 1708764 B1 20091118 (EN)

Application

EP 04814137 A 20041210

Priority

- US 2004041918 W 20041210
- US 73478503 A 20031212

Abstract (en)

[origin: US7329531B2] An unmodified textile material is combined with a mixture including a non-colloidal polysaccharide slurry to form a blood-tight implantable textile material. A substantially porous unmodified textile material is impregnated with a biocompatible, bioresorbable slurry to make an implantable textile material, preferably in the form of a vascular graft. Sodium alginate is a preferred polysaccharide to use in the mixture, which serves as a viable alternative to collagen impregnation and coatings of vascular grafts.

IPC 8 full level

A61L 27/14 (2006.01); **A61F 2/06** (2013.01); **A61L 27/20** (2006.01); **A61L 27/34** (2006.01); **A61L 27/50** (2006.01); **A61L 29/04** (2006.01); **A61L 29/08** (2006.01)

CPC (source: EP US)

A61L 27/20 (2013.01 - EP US); **A61L 27/507** (2013.01 - EP US)

C-Set (source: EP US)

A61L 27/20 + **C08L 5/08**

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005131531 A1 20050616; **US 7329531 B2 20080212**; AT E448810 T1 20091215; CA 2547559 A1 20050630; CA 2547559 C 20130604; DE 602004024238 D1 20091231; EP 1708764 A1 20061011; EP 1708764 B1 20091118; JP 2007513719 A 20070531; JP 4638448 B2 20110223; WO 2005058382 A1 20050630

DOCDB simple family (application)

US 73478503 A 20031212; AT 04814137 T 20041210; CA 2547559 A 20041210; DE 602004024238 T 20041210; EP 04814137 A 20041210; JP 2006544117 A 20041210; US 2004041918 W 20041210